

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Air Division

**Chapter 335-3-13**  
**Control of Fluoride Emissions**

**Table of Contents**

335-3-13-.01	General.
335-3-13-.02	Superphosphoric Acid Plants.
335-3-13-.03	Diammonium Phosphate Plants.
335-3-13-.04	Triple Superphosphate Plants.
335-3-13-.05	Granular Triple Superphosphate Storage Facilities.
335-3-13-.06	Wet Process Phosphoric Acid Plants.

**335-3-13-.01     Definitions.**

**Meaning of Terms.** As used in these rules and regulations, terms referenced in Sections 60.201, 60.211, 60.221, 60.231, 60.241, Rule 60, Title 40 shall have the meaning ascribed in this Rule.

**Author:** Marilyn G. Elliott

**Statutory Authority:** Code of Alabama 1975, Secs. 22-28-14, 22-22A-5, 22-22A-5, 22-22A-6, and 22-22A-8.

**History: Effective date:** February 28, 1978.

**Amended:**

---

	Date Submitted to EPA	Date Approved by EPA	Federal Register
Original Reg	APR 10, 1978	FEB 22, 1982	47 FR 7666
1st Revision	MAY 18, 1978	FEB 22, 1982	47 FR 7666
2nd Revision	OCT 31, 1989	MAR 19, 1990	55 FR 10062
3rd Revision	OCT 30, 1996	JUN 06, 1997	62 FR 30991

**335-3-13-.02     Superphosphoric Acid Plants.**

- (1)     **Applicability.** For the purpose of this Rule, the affected facility includes any combination of existing evaporators, hotwells, acid sumps, and cooling tanks.
- (2)     **Superphosphoric Acid Plants.** No owner or operator shall cause to be discharged into the atmosphere from any affected facility any gases which contain total fluorides in excess of 5.0 g/metric ton of equivalent  $P_2O_5$  feed (0.010 lb/ton).
- (3)     **Test Methods and Procedures.** Reference methods described in Section 40 CFR 60.214 shall be used to determine compliance with paragraph (2) of this Rule.

**Author:** Marilyn G. Elliott

**Statutory Authority:** Code of Alabama 1975, Secs. 22-28-14, 22-22A-5, 22-22A-5, 22-22A-6, and 22-22A-8.

**History: Effective date:** February 28, 1978.

**Amended:**

---

	Date Submitted to EPA	Date Approved by EPA	Federal Register
Original Reg	APR 10, 1978	FEB 22, 1982	47 FR 7666
1st Revision	MAY 18, 1978	FEB 22, 1982	47 FR 7666
2nd Revision	OCT 31, 1989	MAR 19, 1990	55 FR 10062
3rd Revision	OCT 30, 1996	JUN 06, 1997	62 FR 30991

**335-3-13-.03     Diammonium Phosphate Plants.**

- (1)     **Applicability.** For the purpose of this Rule, the affected facility includes any combination of existing reactors, granulators, dryers, coolers, screens, and mills.
- (2)     **Diammonium Phosphate Plants.** No owner or operator shall cause to be discharged into the atmosphere from any affected facility any gases which contain total fluorides in excess of 30 g/metric ton of equivalent  $P_2O_5$  feed (0.060 lb/ton).
- (3)     **Test Methods and Procedures.** Reference methods described in 40 CFR 60.224 shall be used to determine compliance with paragraph (2) of this Rule.

**Author:** Marilyn G. Elliott

**Statutory Authority:** Code of Alabama 1975, Secs. 22-28-14, 22-22A-5, 22-22A-5, 22-22A-6, and 22-22A-8.

**History: Effective date:** February 28, 1978.

**Amended:**

---

	Date Submitted to EPA	Date Approved by EPA	Federal Register
Original Reg	APR 10, 1978	FEB 22, 1982	47 FR 7666
1st Revision	MAY 18, 1978	FEB 22, 1982	47 FR 7666
2nd Revision	OCT 31, 1989	MAR 19, 1990	55 FR 10062
3rd Revision	OCT 30, 1996	JUN 06, 1997	62 FR 30991

**335-3-13-.04     Triple Superphosphate Plants.**

- (1)     **Applicability.** For the purpose of this Rule, the affected facility includes any combination of existing mixers, curing belts (dens), reactors, granulators, dryers, coolers, screens, mills, and facilities which store run-of-pile triple Superphosphate.

- (2) **Triple Superphosphate Plants.** No owner operator shall cause to be discharged into the atmosphere from any affected facility any gases which contain total fluorides in excess of 100 g/metric ton of equivalent  $P_2O_5$  feed (0.20 lb/ton).
- (3) **Test Methods and Procedures.** Reference Methods described in 40 CFR 60.234 shall be used to determine compliance with paragraph (2) of this Rule.

**Author:** Marilyn G. Elliott

**Statutory Authority:** Code of Alabama 1975, Secs. 22-28-14, 22-22A-5, 22-22A-5, 22-22A-6, and 22-22A-8.

**History: Effective date:** February 28, 1978.

**Amended:**

---

	Date Submitted to EPA	Date Approved by EPA	Federal Register
Original Reg	APR 10, 1978	FEB 22, 1982	47 FR 7666
1st Revision	MAY 18, 1978	FEB 22, 1982	47 FR 7666
2nd Revision	OCT 31, 1989	MAR 19, 1990	55 FR 10062
3rd Revision	OCT 30, 1996	JUN 06, 1997	62 FR 30991

**335-3-13-.05     Granular Triple Superphosphate Storage Facilities.**

- (1) **Applicability.** For the purpose of this Rule, the affected facility includes any combination of existing storage or curing piles, conveyors, elevators, screens, and mills.
- (2) **Granular Triple Superphosphate Storage Facilities.** No owner or operator shall cause to be discharged into the atmosphere from any affected facility any gases which contain total fluorides in excess of 0.25 g/hr/metric ton of equivalent  $P_2O_5$  stored ( $5.0 \times 10^4$  lb/hr/ton of equivalent  $P_2O_5$  stored).
- (3) **Test Methods and Procedures.** Reference methods described in 40 CFR 60.244 shall be used to determine compliance with paragraph (2) of this Rule.

**Author:** Marilyn G. Elliott

**Statutory Authority:** Code of Alabama 1975, Secs. 22-28-14, 22-22A-5, 22-22A-5, 22-22A-6, and 22-22A-8.

**History: Effective date:** February 28, 1978.

**Amended:**

---

	Date Submitted to EPA	Date Approved by EPA	Federal Register
Original Reg	APR 10, 1978	FEB 22, 1982	47 FR 7666
1st Revision	MAY 18, 1978	FEB 22, 1982	47 FR 7666
2nd Revision	OCT 31, 1989	MAR 19, 1990	55 FR 10062

**335-3-13-.06     Wet Process Phosphoric Acid Plants.**

- (1)     **Applicability.** For the purpose of this Rule, the affected facility includes any combination of existing reactors, filters, evaporators, and hotwells.
- (2)     **Wet Process Phosphoric Acid Plants.** No owner or operator shall cause to be discharged into the atmosphere from any affected facility any gases which contain total fluorides in excess of 10.0 g/metric ton of equivalent  $P_2O_5$  feed (0.020 lb/ton).
- (3)     **Test Methods and Procedures.** Reference methods described in 40 CFR 60.204 shall be used to determine compliance with paragraph (2) of this Rule.

**Author:** Marilyn G. Elliott

**Statutory Authority:** Code of Alabama 1975, Secs. 22-28-14, 22-22A-5, 22-22A-5, 22-22A-6, and 22-22A-8.

**History: Effective date:** February 28, 1978.

**Amended:**

---

	Date Submitted to EPA	Date Approved by EPA	Federal Register
Original Reg	APR 10, 1978	FEB 22, 1982	47 FR 7666
1st Revision	MAY 18, 1978	FEB 22, 1982	47 FR 7666
2nd Revision	OCT 31, 1989	MAR 19, 1990	55 FR 10062
3rd Revision	OCT 30, 1996	JUN 06, 1997	62 FR 30991